

## *National Type Evaluation Program*

### *Certificate of Conformance for Weighing and Measuring Devices*

**For:**

Jeweler's Scale or Grain Test Scale  
Digital Electronic  
Model: CT600L  
 $n_{\max}$ : 6020  
Capacity: 602 x 0.1 g  
Platform: 4.75 inch diameter

Accuracy Class: III

**Submitted by:**

Ohaus Corporation  
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#### Standard Features and Options

Optional Models:	CT-600L	CT-3000L
$n_{\max}$ :	6000	3000
Platform Size:	4 inch diameter	4 x 5.5 inch
Capacities:	600 x 0.1 g	3000 x 1 g
	390 x 0.1 dwt	1950 x 1 dwt
	19.5 x 0.005 ozt	98 x 0.05 ozt
	3000 x 0.5 ct	6.7 x 0.002 lb

Semi-automatic zero  
Integral liquid crystal display  
Initial zero-setting mechanism (IZSM)  
Battery or AC adaptor power  
Selectable weight units  
Weight units and capacities: 602 x 0.1 g, 19.35 x 0.005 ozt,  
387 x 0.1 dwt, 3010 x 0.5 ct  
Ohaus strain gauge load cell part #77052-53  
Options: RS232 interface

Temperature Range: 10 °C to 40 °C (50 °F to 104 °F)

This device was evaluated under the National Type Evaluation Program (NTEP) and was found to comply with the applicable technical requirements of Handbook 44, "Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: June 30, 1995

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Gilbert M. Ugiansky, Ph.D.  
Chief, Office of Weights and Measures  
Issue Date: December 4, 1995

**Note:** The National Institutes of Standards and Technology does not "approve", "recommend", or "endorse" any proprietary product or material, either as a single item or as a class or group. Results shall not be used in advertising or sales promotion to indicate explicit or implicit endorsement of the product or the Institute. (See NTEP Policy and Procedures).

**Ohaus Corporation**  
**Jeweler's Scale or Grain Test Scale**  
**Model: CT600L**

**Application:** General purpose weighing, weighing of semi-precious gems and precious metals where the minimum load exceeds 20 d.

This scale is suitable for official FGIS use as a moisture and general class scale.

**Identification:** The identification badge is on the left side of the scale.

**Sealing:** The scale is sealed with a wire security seal through a screw and tab on the bottom of the scale. The platter is easily removed and the scale may be turned upside down for sealing. When the device is not sealed and in the calibration mode all front panel functions can be performed by an external keypad through the RS 232 interface.

**Test Conditions:** This Certificate supersedes Certificate of Conformance No. 89-084 and is issued to change model number CT-600L to CT600L. The newer model without the dash is similar to the older model but has upgraded electronics and has software changes. The additional feature of Automatic Zero Mechanism (AZM) has been added. Model CT600L was tested over a temperature range of 10 °C to 40 °C. Several increasing/decreasing load tests and shift tests were conducted. A load of approximately one-half capacity was applied to the scale over 100 000 times. The scale was checked periodically during this time. The scale was tested over a voltages from 100 to 130 VAC using the AC adaptor and over DC voltages from 5.8 to 12 VDC. The results of the evaluation indicate the device complies with the applicable requirements of NIST Handbook 44. Original test conditions are repeated below for reference.

**Certificate of Conformance No. 89-084:** The device was evaluated using the type evaluation checklist. The scale was tested over AC voltages from 100 to 130 VAC using the AC adaptor supplied and over DC voltages from 5.8 to 12 VDC. The scale was tested over a temperature range of 10 °C to 40 °C (50 °F to 104 °F). A load of approximately one-half capacity was applied to the scale over 100 000 times. The scale was tested periodically during this time. The results were within the applicable tolerances specified in NBS Handbook 44.

**Type Evaluation Criteria Used:** NIST Handbook 44, 1995 Edition

**Tested By:** 89-084 R. Andersen (NY), W. Fishman (NY), 89-084A1 W. Fishman (NY), E. Szesnat (NY)